# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 11/27/2018 09:01 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/31/2018 01:04 PM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 72756 | Expiration Date: | 10/31/2019 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124709 | -1 | 2.50 | 124762 | 2.53 |
| Blue | F | SSC | 125000 | 122398 | -3 | 4.38 | 123297 | 4.26 |
| Blue | E | FITC | 15492 | 14957 | -4 | 4.11 | 349 | 21.63 |
| Blue | D | PE | 28736 | 27874 | -3 | 3.50 | 615 | 16.63 |
| Blue | B | PerCP-Cy5-5 | 41413 | 40730 | -2 | 4.86 | 1113 | 22.98 |
| Blue | A | PE-Cy7 | 31321 | 31044 | -1 | 7.22 | 562 | 47.05 |
| Red | C | APC | 41673 | 40675 | -3 | 3.00 | 1575 | 13.52 |
| Red | A | APC-Cy7 | 29962 | 29197 | -3 | 2.91 | 730 | 14.08 |
| Violet | B | V450 | 8318 | 7810 | -7 | 4.96 | 433 | 15.32 |
| Violet | A | V500 | 34199 | 32810 | -5 | 4.69 | 790 | 11.78 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20380 | 3.46 | 606 | -7 | N/A | N/A | Pass |
| Blue | F | SSC | 55368 | 3.75 | 572 | 4 | N/A | N/A | Pass |
| Blue | E | FITC | 58 | 72.23 | 555 | -6 | 0.0163 | 155 | Pass |
| Blue | D | PE | 123 | 57.86 | 554 | -6 | 0.1275 | 285 | Pass |
| Blue | B | PerCP-Cy5-5 | 207 | 55.87 | 660 | -7 | 0.0074 | 58 | Pass |
| Blue | A | PE-Cy7 | 111 | 116.20 | 715 | -7 | 0.0093 | 24 | Pass |
| Red | C | APC | 360 | 28.55 | 599 | -2 | 0.0185 | 94 | Pass |
| Red | A | APC-Cy7 | 181 | 30.85 | 574 | -2 | 0.0045 | 696 | Pass |
| Violet | B | V450 | 63 | 72.83 | 473 | -4 | 0.0374 | 2072 | Pass |
| Violet | A | V500 | 112 | 40.03 | 491 | -3 | 0.0180 | 976 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

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| Input Device: | Carousel | Date: | 11/27/2018 09:01 AM |
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## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.93 | -32.26 | 1.12 |
| Blue | 20.35 | 16.27 - 24.41 | 1.27 | 0.99 - 1.49 | 0.00 | 0.00 | 1.50 |
| Red | 18.43 | 13.60 - 20.40 | N/A | N/A | 29.23 | 29.92 | 1.22 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

## Threshold

Threshold (FSC): 12170

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments